RESOURCESAT-1: is a remote sensing satellite used for natural resoruce management applications including agriculture, forestry, land use, water resource management etc. The satellite is working satisfactorily and the imageries provided by the satellite are operationally received and processed at Hyderabad. The imageries are also made available for global users on commercial basis.

GSAT-3 (EDUSAT): is a dedicated communication satellite for Educational purposes and is working satisfactorily. It is used by universities, technical institutions and schools for providing high quality education.

CARTOSAT-1: is a remote sensing satellite for cartographic mapping applications including land cover/land use map preparation and urban mapping applications. The satellite is working satisfactorily and the imageries provided by the satellite are operationally received and processed at Hyderabad.

HAMSAT: is an application specific micro satellite and is used for providing satellite based radio amateur services worldwide. The satellite is working satisfactorily and is being used by many radio HAMs all over the world.

(d) Does not arise.

(e) Yes, Sir.

(f) During the Tenth Plan, the following projects/missions have been approved and are at various stages of progress:

INSAT-4A; INSAT-4B; INSAT-4C; INSAT-4D; GSAT-4; INSAT-3D; CARTOSAT-2; SRE; OCEANSAT-2; RISAT; ASTROSAT and Chandrayan.

Design of spacecraft for Chandrayan-1

2027. SHRIMATI N.P. DURGA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the spacecraft basline design for Chandrayan-1 has been finalized;

(b) if so, by when the design and development of scientific instruments to be flown on Chandrayan is likely to become available;

(c) whether the mission is progressing as per schedule; and

(d) by when the launch is likely to take place?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) Yes Sir.

(b) The detailed design and development of the scientific instruments to be flown onboard Chandrayan-1 have commenced and will be completed as per schedule.

(c) Yes, Sir.

(d) The Chandrayan-1 is scheduled for launch in 2007-08.

Spply of Uranium from Russia

2028. SHRI R.K. ANAND: Will the PRIME MINISTER be pleased to state:

(a) whether it is fact that Russia has expressed its inability to supply enriched Uranium to keep the Tarapur Nuclear Power Plant going;

(b) if so, the reasons therefor; and

(c) what alternative arrangement has been initiated?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) No, Sir. No formal communication has been received from the Russian Government with regard to supply of enriched Uranium for Tarapur Atomic Power Station Units 1 and 2.

(b) Does not arise.

(c) MOX technology was developed indigenously for makiing fuel for Tarapur Atomic Power Station Units 1& 2.

Agreement with European Space Agency

2029. SHRI K. RAMA MOHANA RAO: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that ISRO had entered into an agreement with European Space Agency for paticipation in their space-based navigation system GALLILEO: